ELSEVIER

Precambrian Research 92 (1998) 415–430

Precambrian Research

# Subject Index, Volumes 87–92 (1998)

**A-type granites**
Petrogenesis of late Neoproterozoic dikes in the northern Arabian–Nubian Shield, 92 (1998) 195

**Absolute age**
Chronostratigraphic constraints on the genesis of Archean greenstone belts, northwestern Superior Province, Ontario, Canada, 92 (1998) 277

**Age distribution**
Early Archean crust in the northern Wyoming province. Evidence from U–Pb ages of detrital zircons, 91 (1998) 295

**Aldan shield**
Archean crustal evolution of the Aldan Shield, Siberia: geochemical and isotopic constraints, 91 (1998) 333

**Alkaline granite**
Brasiliano crustal extension and emplacement fabrics of the mangerite–charnockite pluton of Umarizal, North-east Brazil, 87 (1998) 19

**Anorogenic magmatism**
Crust-forming ages and proterozoic crustal evoluton in Nigeria: a reappraisal of current interpretations, 87 (1998) 65

**Anorthosite**
Hornblende 40Ar/39Ar geochronology across terrane boundaries in the Sveconorwegian Province of S. Norway, 90 (1998) 159

**Antarctica**
The evolution of a layered metaigneous complex in the Rauer Group, East Antarctica: evidence for a distinct Archaean terrane, 89 (1998) 175

**Apatite**
The carbon and sulfur isotope signatures in the Precambrian–Cambrian transition series of the Yangtze Platform, 89 (1998) 77

**Ar-40/Ar-39**
U–Pb and Sm–Nd dating of high-pressure granulite- and upper amphibolite facies rocks from SW Sweden, 92 (1998) 319

**Ar/Ar**
Hornblende 40Ar/39Ar geochronology across terrane boundaries in the Sveconorwegian Province of S. Norway, 90 (1998) 159

**Arabian–Nubian Shield**
Petrogenesis of late Neoproterozoic dikes in the northern Arabian–Nubian Shield, 92 (1998) 195

**Arc**
Contrasting magmatic arcs in the Palaeoproterozoic of the south-western Baltic Shield, 92 (1998) 297

**Archaeal**
Tectonic settings of Archaean (3325–2775 Ma) crustal–supracrustal belts in the West Pilbara Block, 88 (1998) 173

**Archaean**
Fault and stratigraphic controls on volcanogenic massive sulphide deposits in the Strelley Belt, Pilbara Craton, Western Australia, 88 (1998) 67

Tensile and compressive growth structures: relationships between sedimentation, deformation and granite intrusion in the Archaean Coppin Gap greenstone belt, Eastern Pilbara, Western Australia, 88 (1998) 83

Sm–Nd, Rb–Sr and Pb–Pb dating of silicic carbonates from the early Archaean Barberton Greenstone Belt, South Africa, 92 (1998) 129

The Sholl Shear Zone, West Pilbara: evidence for a domain boundary structure from integrated tecton-ostratigraphic analyses, SHRIMP U–Pb dating and isotopic and geochemical data of granitoids, 88 (1998) 143

1998 Elsevier Science B.V.
*PII* S0301-9268(98)00112-0

The evolution of a layered metaigneous complex in the Rauer Group, East Antarctica: evidence for a distinct Archaean terrane, 89 (1998) 175

Archaean to Neoproterozoic magmatic events in the Kaoko belt of NW Namibia and their geodynamic significance, 92 (1998) 341

**Archaean evolution**
The interpretation of complex zircon U–Pb systems in Archaean granitoids and gneisses from the Jack Hills, Narryer Gneiss Terrane, Western Australia, 91 (1998) 309

**Archaean tectonics**
Sinking of the Dharwar Basin (South India): implications for Archaean tectonics, 91 (1998) 15

**Archaen crust**
Early Archean crust in the northern Wyoming province. Evidence from U–Pb ages of detrital zircons, 91 (1998) 295

**Archaen metallogeny**
The Late Archaean bonanza: metallogenic and environmental consequences of the interaction between mantle plumes, lithospheric tectonics and global cyclicity, 91 (1998) 65

**Archean**
Unraveling the record of successive high grade events in the Central Zone of the Limpopo Belt using Pb single phase dating of metamorphic minerals, 87 (1998) 87

Archean crustal evolution of the West African Craton: example of the Amsaga Area (Reguibat Rise). U–Pb and Sm–Nd evidence for crustal growth and recycling, 90 (1998) 107

The Late Archean history of the Wyoming province as recorded by granitic magmatism in the Wind River Range, Wyoming, 89 (1998) 145

The Mulgandinnah Shear Zone; an Archean crustal scale strike-slip zone, eastern Pilbara, Western Australia, 88 (1998) 233

Chronostratigraphic constraints on the genesis of Archean greenstone belts, northwestern Superior Province, Ontario, Canada, 92 (1998) 277

Oxygen isotope ratios of Archean plutonic zircons from granite–greenstone belts of the Superior Province: indicator of magmatic source, 92 (1998) 365

Metamorphism, denudation and sea level in the Archean and cooling of the Earth, 92 (1998) 389

**Archean accretionary complex**
Thermo-tectonic evolution of an Archean accretionary complex: U–Pb geochronological constraints on granulites from the Quetico Subprovince, Ontario, Canada, 92 (1998) 117

**Archean crust**
Crustal growth and crustal recycling in the Nagssugtoqidian orogen of West Greenland: Constraints from radiogenic isotope systematics and U–Pb zircon geochronology, 91 (1998) 365

**Archean crustal evolution**
Archean crustal evolution of the Aldan Shield, Siberia: geochemical and isotopic constraints, 91 (1998) 333

**Archean Granitoid-Greenstone Terrain**
The Cleaverville Group in the West Pilbara Coastal Granitoid-Greenstone Terrain of Western Australia: an example of a Mid-Archaean immature oceanic island-arc succession, 88 (1998) 109

**Archean tectonics**
Archean magmatism and deformation were not products of plate tectonics, 91 (1998) 143

**Ashanti belt**
Age constraints on gold mineralization and Paleoproterozoic crustal evolution in the Ashanti belt of southern Ghana, 89 (1998) 129

**Australia**
U–Pb zircon and Sm–Nd geochronology of the Mesoproterozoic of North Queensland: implications for a Rodinian connection with the Belt supergroup of North America, 89 (1998) 101

Ion microprobe U–Pb ages for Neoproterozoic basaltic magmatism in south-central Australia and implications for the breakup of Rodinia, 87 (1998) 135

**Bacteria**
Late Palaeoproterozoic (1800–1600 Ma) stromatolites, Cuddapah Basin, southern India: cyanobacterial or other bacterial microfabrics?, 92 (1998) 21

**Baddeleyite**
Ion microprobe U–Pb ages for Neoproterozoic basaltic magmatism in south-central Australia and implications for the breakup of Rodinia, 87 (1998) 135

**Baltic Shield**
Tectonic, stratigraphic, and geochemical comparisons between ca. 2500–2440 Ma mafic igneous events in the Canadian and Fennoscandian Shields, 92 (1998) 89

Age and lead isotope systematics of uranium-enriched cobalt mineralization in the Modum complex, South Norway. Implications for Precambrian crustal evolution in the SW part of the Baltic Shield, 91 (1998) 419

**Barberton Greenstone Belt**
Sm–Nd, Rb–Sr and Pb–Pb dating of silicic carbonates from the early Archaean Barberton Greenstone Belt, South Africa, 92 (1998) 129

**Barite/chert**
Growth fault control of Early Archaean cherts, barite mounds and chert-barite veins, North Pole Dome, Eastern Pilbara, Western Australia, 88 (1998) 25

**Batholiths**
Archean magmatism and deformation were not products of plate tectonics, 91 (1998) 143

**Belomorian fold belt**
Geochemistry and petrology of 2.40–2.45 Ga magmatic rocks in the north-western Belomorian Belt, Fennoscandian Shield, Russia, 92 (1998) 223

**Belt Supergroup**
U–Pb zircon and Sm–Nd geochronology of the Mesoproterozoic of North Queensland: implications for a Rodinian connection with the Belt supergroup of North America, 89 (1998) 101

**Bimodal volcanism**
Neoproterozoic bimodal volcanism in the central Ogcheon belt, Korea: age and tectonic implication, 89 (1998) 47

**Bimodel volcanism**
The Cleaverville Group in the West Pilbara Coastal Granitoid-Greenstone Terrain of Western Australia: an example of a Mid-Archaean immature oceanic island-arc succession, 88 (1998) 109

**Biosphere evolution**
The Late Archaean bonanza: metallogenic and environmental consequences of the interaction between mantle plumes, lithospheric tectonics and global cyclicity, 91 (1998) 65

**Birimian**
Petrogenesis of juvenile-type Birimian (Paleoproterozoic) granitoids in Central Côte-d'Ivoire, West Africa: geochemistry and geochronology, 87 (1998) 33

**Brasiliano orogeny**
Brasiliano crustal extension and emplacement fabrics of the mangerite–charnockite pluton of Umarizal, North-east Brazil, 87 (1998) 19

**Brazil**
Transamazonian Orogeny in the Southern São Francisco Craton Region, Minas Gerais, Brazil: evidence for Paleoproterozoic collision and collapse in the Quadrilátero Ferrífero, 90 (1998) 29

Neoproterozoic carbonate sequences of the Una Group, Irecê Basin, Brazil: chemostratigraphy, age and correlations, 89 (1998) 87

A structural transect across the coastal mobile belt in the Brazilian Highlands (latitude 20S): the roots of a Precambrian transpressional orogen, 92 (1998) 251

**Brines**
Hypersaline fluids in Precambrian deep-crustal metamorphism, 91 (1998) 41

**Broken Hill**
Evidence for multiple Palaeoproterozoic thermal events and magmatism adjacent to the Broken Hill Pb–Zn–Ag orebody, Australia, 90 (1998) 203

**Bryah Group**
Structural–metamorphic evolution of the Palaeoproterozoic Bryah and Padbury Groups during the Capricorn orogeny, Western Australia, 90 (1998) 141

**C-13/C-12**
The carbon and sulfur isotope signatures in the Precambrian–Cambrian transition series of the Yangtze Platform, 89 (1998) 77

**Ca. 2950 Ma**
Timing and tectonic significance of Late Archaean, sinistral strike-slip deformation in the Central Pilbara Structural Corridor, Pilbara Craton, Western Australia, 88 (1998) 207

**Calc-alkaline**
3430 to 3417 Ma calc-alkaline volcanism in the McPhee Dome and Kelly Belt, and growth of the eastern Pilbara Craton, 88 (1998) 3

Petrogenesis of late Neoproterozoic dikes in the northern Arabian–Nubian Shield, 92 (1998) 195

**Calc-alkaline granite**
The Late Archean history of the Wyoming province as recorded by granitic magmatism in the Wind River Range, Wyoming, 89 (1998) 145

**Calcite cements**
Petrogenesis of 1.9 Ga limestones and dolostones and their record of Paleoproterozoic environments, 90 (1998) 187

**Canadian Shield**
Tectonic, stratigraphic, and geochemical comparisons between ca. 2500–2440 Ma mafic igneous events in the Canadian and Fennoscandian Shields, 92 (1998) 89

**Capricorn Orogen**
Geology and tectonic evolution of the Palaeoproterozoic Bryah, Padbury and Yerrida Basins (formerly Glengarry Basin), Western Australia: implications for the history of the south-central Capricorn Orogen, 90 (1998) 119

**Capricorn Orogeny**
Structural–metamorphic evolution of the Palaeoproterozoic Bryah and Padbury Groups during the Capricorn orogeny, Western Australia, 90 (1998) 141

**Carbonates**
Sm–Nd, Rb–Sr and Pb–Pb dating of silicic carbonates from the early Archaean Barberton Greenstone Belt, South Africa, 92 (1998) 129

**Cathodoluminescence**
Ion probe zircon dating of metasedimentary units across the Skagerrak: new constraints for early Mesoproterozoic growth of the Baltic Shield, 87 (1998) 117

**Central Gneiss Belt**
Timing and thermal influence of late orogenic extension in the lower crust: a U–Pb geochronological study from the southwest Grenville orogen, Canada, 89 (1998) 25

**Central Ogcheon belt**
Neoproterozoic bimodal volcanism in the central Ogcheon belt, Korea: age and tectonic implication, 89 (1998) 47

**Chemistry of gneisses**
The interpretation of complex zircon U–Pb systems in Archaean granitoids and gneisses from the Jack Hills, Narryer Gneiss Terrane, Western Australia, 91 (1998) 309

**Chemostratigraphy**
Neoproterozoic carbonate sequences of the Una Group, Irecê Basin, Brazil: chemostratigraphy, age and correlations, 89 (1998) 87

**Chronostratigraphy**
Chronostratigraphic constraints on the genesis of Archean greenstone belts, northwestern Superior Province, Ontario, Canada, 92 (1998) 277

**Coastal Mobile Belt**
A structural transect across the coastal mobile belt in the Brazilian Highlands (latitude 20S): the roots of a Precambrian transpressional orogen, 92 (1998) 251

**Cobalt ores**
Age and lead isotope systematics of uranium-enriched cobalt mineralization in the Modum complex, South Norway. Implications for Precambrian crustal evolution in the SW part of the Baltic Shield, 91 (1998) 419

**Collision tectonics**
Transamazonian Orogeny in the Southern São Francisco Craton Region, Minas Gerais, Brazil: evidence for Paleoproterozoic collision and collapse in the Quadrilátero Ferrífero, 90 (1998) 29

**Complex zircon U–Pb ages**
The interpretation of complex zircon U–Pb systems in Archaean granitoids and gneisses from the Jack Hills, Narryer Gneiss Terrane, Western Australia, 91 (1998) 309

**Continental collision**
Contrasting mechanism of crustal growth, 92 (1998) 165

**Continental crust**
Archean crustal evolution of the West African Craton: example of the Amsaga Area (Reguibat Rise). U–Pb and Sm–Nd evidence for crustal growth and recycling, 90 (1998) 107

Age and lead isotope systematics of uranium-enriched cobalt mineralization in the Modum complex, South Norway. Implications for Precambrian crustal evolution in the SW part of the Baltic Shield, 91 (1998) 419

**Coronas**
Petrology and U–Pb geochronology of mafic, high-pressure, metamorphic coronites from the Tshenukutish domain, eastern Grenville Province, 90 (1998) 59

**Correlations**
Neoproterozoic carbonate sequences of the Una Group, Irecê Basin, Brazil: chemostratigraphy, age and correlations, 89 (1998) 87

**Crust-formation**
Crust-forming ages and proterozoic crustal evoluton in Nigeria: a reappraisal of current interpretations, 87 (1998) 65

**Crustal evolution**
Nd isotope mapping of a cryptic continental suture, Grenville Province of Ontario, 91 (1998) 433

Pb isotope mapping of differentially uplifted Archean basement: a case study from the Grenville Province, Ontario, 91 (1998) 445

**Crustal growth**
3430 to 3417 Ma calc-alkaline volcanism in the McPhee Dome and Kelly Belt, and growth of the eastern Pilbara Craton, 88 (1998) 3

Contrasting mechanism of crustal growth, 92 (1998) 165

Nd isotopic evolution of the upper mantle during the Precambrian: models, data and the uncertainty of both, 91 (1998) 233

Contrasting magmatic arcs in the Palaeoproterozoic of the south-western Baltic Shield, 92 (1998) 297

**Cuddapah Basin**
Late Palaeoproterozoic ( 1800–1600 Ma) stromatolites, Cuddapah Basin, southern India: cyanobacterial or other bacterial microfabrics?, 92 (1998) 21

**Dating**
Sm–Nd, Rb–Sr and Pb–Pb dating of silicic carbonates from the early Archaean Barberton Greenstone Belt, South Africa, 92 (1998) 129

Pitfalls and new approaches in granulite chronometry. An example from the Limpopo Belt, Zimbabwe, 91 (1998) 269

**Décollement**
Sinking of the Dharwar Basin (South India): implications for Archaean tectonics, 91 (1998) 15

**Deformation**
Structural–metamorphic evolution of the Palaeoproterozoic Bryah and Padbury Groups during the Capricorn orogeny, Western Australia, 90 (1998) 141

**Depleted mantle**
Nd isotopic evolution of the upper mantle during the Precambrian: models, data and the uncertainty of both, 91 (1998) 233

**Detrital zircon**
Ion probe zircon dating of metasedimentary units across the Skagerrak: new constraints for early Mesoproterozoic growth of the Baltic Shield, 87 (1998) 117

**Detrital zircons**
Early Archean crust in the northern Wyoming province. Evidence from U–Pb ages of detrital zircons, 91 (1998) 295

**Dyke**
Ion microprobe U–Pb ages for Neoproterozoic basaltic magmatism in south-central Australia and implications for the breakup of Rodinia, 87 (1998) 135

**(Early) Archaean**
Growth fault control of Early Archaean cherts, barite mounds and chert-barite veins, North Pole Dome, Eastern Pilbara, Western Australia, 88 (1998) 25

**Early Archaen crust**
Nd isotopic evolution of the upper mantle during the Precambrian: models, data and the uncertainty of both, 91 (1998) 233

**Earth history**
Nd isotopic evolution of the upper mantle during the Precambrian: models, data and the uncertainty of both, 91 (1998) 233

**Elemental fractionation**
Isotopic peculiarities of an Archaean pegmatite (Union Mine, Mica, South Africa): Geochemical and geochronological implications, 91 (1998) 253

**Emplacement**
Brasiliano crustal extension and emplacement fabrics of the mangerite–charnockite pluton of Umarizal, North-east Brazil, 87 (1998) 19

**Faults**
Fault and stratigraphic controls on volcanogenic massive sulphide deposits in the Strelley Belt, Pilbara Craton, Western Australia, 88 (1998) 67

**Fold culmination**
Evidence for multiphase deformation in the Archean basal Warrawoona Group in the Marble Bar area, East Pilbara, Western Australia, 88 (1998) 53

**Gabbro**
Geochemistry and petrology of 2.40–2.45 Ga magmatic rocks in the north-western Belomorian Belt, Fennoscandian Shield, Russia, 92 (1998) 223

**Garhwal volcanics**
Sm–Nd age of the Garhwal–Bhowali volcanics, western Himalayas: vestiges of the Late Archaean Rampur flood basalt Province of the northern Indian Craton, 87 (1998) 217

**Garnet dating**
Isotopic peculiarities of an Archaean pegmatite (Union Mine, Mica, South Africa): Geochemical and geochronological implications, 91 (1998) 253

**Geochemistry**
3430 to 3417 Ma calc-alkaline volcanism in the McPhee Dome and Kelly Belt, and growth of the eastern Pilbara Craton, 88 (1998) 3

Geochemical and Nd isotopic compositions of the metasedimentary rocks in the La Ronge Domain, Trans-Hudson Orogen, Canada: implications for evolution of the domain, 92 (1998) 37

The Red Lake greenstone belt, Superior Province: evidence of plume-related magmatism at 3 Ga and evidence of an older enriched source, 89 (1998) 59

Tectonic, stratigraphic, and geochemical comparisons between ca. 2500–2440 Ma mafic igneous events in the Canadian and Fennoscandian Shields, 92 (1998) 89

The Late Archean history of the Wyoming province as recorded by granitic magmatism in the Wind River Range, Wyoming, 89 (1998) 145

Petrogenesis of 1.9 Ga limestones and dolostones and their record of Paleoproterozoic environments, 90 (1998) 187

Contrasting magmatic arcs in the Palaeoproterozoic of the south-western Baltic Shield, 92 (1998) 297

Geochemistry, age and origin of metagreywackes from the Palaeoproterozoic Karrat Group, Rinkian Belt, West Greenland, 91 (1998) 383

**Geochronology**

Petrogenesis of juvenile-type Birimian (Paleoproterozoic) granitoids in Central Côte-d'Ivoire, West Africa: geochemistry and geochronology, 87 (1998) 33

Unraveling the record of successive high grade events in the Central Zone of the Limpopo Belt using Pb single phase dating of metamorphic minerals, 87 (1998) 87

U–Pb zircon and Sm–Nd geochronology of the Mesoproterozoic of North Queensland: implications for a Rodinian connection with the Belt supergroup of North America, 89 (1998) 101

Archean crustal evolution of the West African Craton: example of the Amsaga Area (Reguibat Rise). U–Pb and Sm–Nd evidence for crustal growth and recycling, 90 (1998) 107

The Sholl Shear Zone, West Pilbara: evidence for a domain boundary structure from integrated tectonostratigraphic analyses, SHRIMP U–Pb dating and isotopic and geochemical data of granitoids, 88 (1998) 143

A world in a grain of sand: regional metamorphic history from 40Ar/39Ar laser probe analyses of proterozoic sediments from the Canadian shield, 91 (1998) 287

Geochronological studies of Proterozoic crustal evolution in the northern Outer Hebrides, 91 (1998) 401

**Geotectonics**

Geotectonics of the Hanson Lake block, Trans-Hudson orogen, central Canada: a preliminary paleomagnetic report, 90 (1998) 85

**Glaciation**

Late Neoproterozoic stromatolites in glacigenic successions of the Kimberley region, Western Australia: evidence for a younger Marinoan glaciation, 92 (1998) 65

**Global cyclicity**

The Late Archaean bonanza: metallogenic and environmental consequences of the interaction between mantle plumes, lithospheric tectonics and global cyclicity, 91 (1998) 65

**Gold mineralization**

Age constraints on gold mineralization and Paleoproterozoic crustal evolution in the Ashanti belt of southern Ghana, 89 (1998) 129

**Gondwana Assembly**

A structural transect across the coastal mobile belt in the Brazilian Highlands (latitude 20S): the roots of a Precambrian transpressional orogen, 92 (1998) 251

**Gothian**

Ion probe zircon dating of metasedimentary units across the Skagerrak: new constraints for early Mesoproterozoic growth of the Baltic Shield, 87 (1998) 117

Contrasting magmatic arcs in the Palaeoproterozoic of the south-western Baltic Shield, 92 (1998) 297

**Granite**

Geochemistry and petrology of 2.40–2.45 Ga magmatic rocks in the north-western Belomorian Belt, Fennoscandian Shield, Russia, 92 (1998) 223

The Mulgandinnah Shear Zone; an Archean crustal scale strike-slip zone, eastern Pilbara, Western Australia, 88 (1998) 233

**Granite–greenstone belt**

Contrasting mechanism of crustal growth, 92 (1998) 165

**Granite-and-greenstone terrains**

Archean magmatism and deformation were not products of plate tectonics, 91 (1998) 143

**Granites**

Oxygen isotope ratios of Archean plutonic zircons from granite–greenstone belts of the Superior Province: indicator of magmatic source, 92 (1998) 365

**Granitoids**

Petrogenesis of juvenile-type Birimian (Paleoproterozoic) granitoids in Central Côte-d'Ivoire, West Africa: geochemistry and geochronology, 87 (1998) 33

Petrological and geochemical characteristics of a Paleoproterozoic magmatic arc (Narsajuaq terrane, Ungava Orogen, Canada) and comparisons to Superior Province granitoids, 91 (1998) 109

**Granulite**
U–Pb and Sm–Nd dating of high-pressure granulite- and upper amphibolite facies rocks from SW Sweden, 92 (1998) 319

**Granulite facies**
Unraveling the record of successive high grade events in the Central Zone of the Limpopo Belt using Pb single phase dating of metamorphic minerals, 87 (1998) 87

**Granulite Komatiite**
Archean crustal evolution of the Aldan Shield, Siberia: geochemical and isotopic constraints, 91 (1998) 333

**Granulites**
Thermo-tectonic evolution of an Archean accretionary complex: U–Pb geochronological constraints on granulites from the Quetico Subprovince, Ontario, Canada, 92 (1998) 117

**Gravity instabilities**
Sinking of the Dharwar Basin (South India): implications for Archaean tectonics, 91 (1998) 15

**Great Slave Lake**
Petrogenesis of 1.9 Ga limestones and dolostones and their record of Paleoproterozoic environments, 90 (1998) 187

**Greenstone belt**
Tensile and compressive growth structures: relationships between sedimentation, deformation and granite intrusion in the Archaean Coppin Gap greenstone belt, Eastern Pilbara, Western Australia, 88 (1998) 83

**Greenstone Belts**
Archean magmatism and deformation were not products of plate tectonics, 91 (1998) 143

Tectonic settings of Archaean (3325–2775 Ma) crustal–supracrustal belts in the West Pilbara Block, 88 (1998) 173

**Greenstones**
Sinking of the Dharwar Basin (South India): implications for Archaean tectonics, 91 (1998) 15

**Grenville Province**
Timing and thermal influence of late orogenic extension in the lower crust: a U–Pb geochronological study from the southwest Grenville orogen, Canada, 89 (1998) 25

Petrology and U–Pb geochronology of mafic, high-pressure, metamorphic coronites from the Tshenukutish domain, eastern Grenville Province, 90 (1998) 59

Geochronological constraints on the last stages of terrane assembly in the central part of the Grenville Province, 92 (1998) 145

Nd isotope mapping of a cryptic continental suture, Grenville Province of Ontario, 91 (1998) 433

Pb isotope mapping of differentially uplifted Archean basement: a case study from the Grenville Province, Ontario, 91 (1998) 445

**Grenvillian orogeny**
Hornblende 40Ar/39Ar geochronology across terrane boundaries in the Sveconorwegian Province of S. Norway, 90 (1998) 159

**Greywackes**
Geochemistry, age and origin of metagreywackes from the Palaeoproterozoic Karrat Group, Rinkian Belt, West Greenland, 91 (1998) 383

**Growth structures**
Tensile and compressive growth structures: relationships between sedimentation, deformation and granite intrusion in the Archaean Coppin Gap greenstone belt, Eastern Pilbara, Western Australia, 88 (1998) 83

**Guiana shield**
Contrasting mechanism of crustal growth, 92 (1998) 165

**High-pressure**
Petrology and U–Pb geochronology of mafic, high-pressure, metamorphic coronites from the Tshenukutish domain, eastern Grenville Province, 90 (1998) 59

**High grade metamorphism**
Evidence for multiple Palaeoproterozoic thermal events and magmatism adjacent to the Broken Hill Pb–Zn–Ag orebody, Australia, 90 (1998) 203

**Igneous activity**
Tectonic, stratigraphic, and geochemical comparisons between ca. 2500–2440 Ma mafic igneous events in the Canadian and Fennoscandian Shields, 92 (1998) 89

**Igneous petrology**
Geochemistry and petrology of 2.40–2.45 Ga magmatic rocks in the north-western Belomorian Belt, Fennoscandian Shield, Russia, 92 (1998) 223

**Immature oceanic island-arc**
The Cleaverville Group in the West Pilbara Coastal

Granitoid-Greenstone Terrain of Western Australia: an example of a Mid-Archaean immature oceanic island-arc succession, 88 (1998) 109

**Inclusions**
Pitfalls and new approaches in granulite chronometry. An example from the Limpopo Belt, Zimbabwe, 91 (1998) 269

**India**
Late Palaeoproterozoic ( 1800–1600 Ma) stromatolites, Cuddapah Basin, southern India: cyanobacterial or other bacterial microfabrics?, 92 (1998) 21

**Intracratonic**
Intermittent 1.53–1.13 Ga magmatism in western Baltica; age constraints and correlations within a postulated supercontinent, 92 (1998) 1

**Intrusions**
Evidence for multiple Palaeoproterozoic thermal events and magmatism adjacent to the Broken Hill Pb–Zn–Ag orebody, Australia, 90 (1998) 203

**Ion probe dating**
Ion probe zircon dating of metasedimentary units across the Skagerrak: new constraints for early Mesoproterozoic growth of the Baltic Shield, 87 (1998) 117

**Isochron**
A world in a grain of sand: regional metamorphic history from 40Ar/39Ar laser probe analyses of proterozoic sediments from the Canadian shield, 91 (1998) 287

**Isostasy**
Metamorphism, denudation and sea level in the Archean and cooling of the Earth, 92 (1998) 389

**Isotope geochemistry**
Petrogenesis of juvenile-type Birimian (Paleoproterozoic) granitoids in Central Côte-d'Ivoire, West Africa: geochemistry and geochronology, 87 (1998) 33

**Isotope resetting**
Isotopic peculiarities of an Archaean pegmatite (Union Mine, Mica, South Africa): Geochemical and geochronological implications, 91 (1998) 253

**Isotopes**
Infilling history of a Neoproterozoic intracratonic basin: Nd isotope provenance studies of the Uinta Mountain Group, Western United States, 87 (1998) 1

The Red Lake greenstone belt, Superior Province: evidence of plume-related magmatism at 3 Ga and evidence of an older enriched source, 89 (1998) 59

Crustal growth and crustal recycling in the Nagssugtoqidian orogen of West Greenland: Constraints from radiogenic isotope systematics and U–Pb zircon geochronology, 91 (1998) 365

Geochemistry, age and origin of metagreywackes from the Palaeoproterozoic Karrat Group, Rinkian Belt, West Greenland, 91 (1998) 383

**Isotope stratigraphy**
Neoproterozoic carbonate sequences of the Una Group, Irecê Basin, Brazil: chemostratigraphy, age and correlations, 89 (1998) 87

**Isotopic closure**
Pitfalls and new approaches in granulite chronometry. An example from the Limpopo Belt, Zimbabwe, 91 (1998) 269

**Isotopic resetting**
Sm–Nd, Rb–Sr and Pb–Pb dating of silicic carbonates from the early Archaean Barberton Greenstone Belt, South Africa, 92 (1998) 129

**Jack Hills**
The interpretation of complex zircon U–Pb systems in Archaean granitoids and gneisses from the Jack Hills, Narryer Gneiss Terrane, Western Australia, 91 (1998) 309

**k–Ar**
A world in a grain of sand: regional metamorphic history from 40Ar/39Ar laser probe analyses of proterozoic sediments from the Canadian shield, 91 (1998) 287

**Kaoko belt**
Archaean to Neoproterozoic magmatic events in the Kaoko belt of NW Namibia and their geodynamic significance, 92 (1998) 341

**Karelia**
Geochemistry and petrology of 2.40–2.45 Ga magmatic rocks in the north-western Belomorian Belt, Fennoscandian Shield, Russia, 92 (1998) 223

**Kenoran orogeny**
Chronostratigraphic constraints on the genesis of Archean greenstone belts, northwestern Superior Province, Ontario, Canada, 92 (1998) 277

**Komatiites**
The Red Lake greenstone belt, Superior Province: evidence of plume-related magmatism at 3 Ga and evidence of an older enriched source, 89 (1998) 59

**Korea**
Neoproterozoic bimodal volcanism in the central Ogcheon belt, Korea: age and tectonic implication, 89 (1998) 47

**La Ronge Domain**
Geochemical and Nd isotopic compositions of the metasedimentary rocks in the La Ronge Domain, Trans-Hudson Orogen, Canada: implications for evolution of the domain, 92 (1998) 37

**Late Archaean flood basalt province**
Sm–Nd age of the Garhwal–Bhowali volcanics, western Himalayas: vestiges of the Late Archaean Rampur flood basalt Province of the northern Indian Craton, 87 (1998) 217

**Laurentia**
An overview of the U–Pb geochronology of the Paleoproterozoic Torngat Orogen, Northeastern Canada, 91 (1998) 91

**Laurentia–Baltica**
Intermittent 1.53–1.13 Ga magmatism in western Baltica; age constraints and correlations within a postulated supercontinent, 92 (1998) 1

**Layered intrusions**
Tectonic, stratigraphic, and geochemical comparisons between ca. 2500–2440 Ma mafic igneous events in the Canadian and Fennoscandian Shields, 92 (1998) 89

**Lewisian**
Geochronological studies of Proterozoic crustal evolution in the northern Outer Hebrides, 91 (1998) 401

**Limpopo Belt**
Unraveling the record of successive high grade events in the Central Zone of the Limpopo Belt using Pb single phase dating of metamorphic minerals, 87 (1998) 87

**Lithotectonic complex**
Evidence for multiphase deformation in the Archean basal Warrawoona Group in the Marble Bar area, East Pilbara, Western Australia, 88 (1998) 53

**Mafic rocks**
Petrology and U–Pb geochronology of mafic, high-pressure, metamorphic coronites from the Tshenukutish domain, eastern Grenville Province, 90 (1998) 59

**Mafic volcanism**
Geology and tectonic evolution of the Palaeoproterozoic Bryah, Padbury and Yerrida Basins (formerly Glengarry Basin), Western Australia: implications for the history of the south-central Capricorn Orogen, 90 (1998) 119

**Magmatic arc**
Petrological and geochemical characteristics of a Paleoproterozoic magmatic arc (Narsajuaq terrane, Ungava Orogen, Canada) and comparisons to Superior Province granitoids, 91 (1998) 109

**Magmatism**
The evolution of a layered metaigneous complex in the Rauer Group, East Antarctica: evidence for a distinct Archaean terrane, 89 (1998) 175

**Magnetic fabric**
Brasiliano crustal extension and emplacement fabrics of the mangerite–charnockite pluton of Umarizal, North-east Brazil, 87 (1998) 19

**Mantle plume**
Geology and tectonic evolution of the Palaeoproterozoic Bryah, Padbury and Yerrida Basins (formerly Glengarry Basin), Western Australia: implications for the history of the south-central Capricorn Orogen, 90 (1998) 119

**Mantle plumes**
The Late Archaean bonanza: metallogenic and environmental consequences of the interaction between mantle plumes, lithospheric tectonics and global cyclicity, 91 (1998) 65

**Mantle temperature**
Metamorphism, denudation and sea level in the Archean and cooling of the Earth, 92 (1998) 389

**Marble Bar Greenstone Belt**
Evidence for multiphase deformation in the Archean basal Warrawoona Group in the Marble Bar area, East Pilbara, Western Australia, 88 (1998) 53

**Meso-Archaean**
The Red Lake greenstone belt, Superior Province: evidence of plume-related magmatism at 3 Ga and evidence of an older enriched source, 89 (1998) 59

**Mesoproterozoic growth**
Ion probe zircon dating of metasedimentary units across the Skagerrak: new constraints for early Mesoproterozoic growth of the Baltic Shield, 87 (1998) 117

**Mesoproterozoic magmatism**
Intermittent 1.53–1.13 Ga magmatism in western Baltica; age constraints and correlations within a postulated supercontinent, 92 (1998) 1

**Metamorphism**
Hypersaline fluids in Precambrian deep-crustal metamorphism, 91 (1998) 41

Structural–metamorphic evolution of the Palaeoproterozoic Bryah and Padbury Groups

during the Capricorn orogeny, Western Australia, 90 (1998) 141

The evolution of a layered metaigneous complex in the Rauer Group, East Antarctica: evidence for a distinct Archaean terrane, 89 (1998) 175

Pitfalls and new approaches in granulite chronometry. An example from the Limpopo Belt, Zimbabwe, 91 (1998) 269

Metamorphism, denudation and sea level in the Archean and cooling of the Earth, 92 (1998) 389

**Metasedimentary rocks**
Geochemical and Nd isotopic compositions of the metasedimentary rocks in the La Ronge Domain, Trans-Hudson Orogen, Canada: implications for evolution of the domain, 92 (1998) 37

**Metavolcanic rocks**
Neoproterozoic bimodal volcanism in the central Ogcheon belt, Korea: age and tectonic implication, 89 (1998) 47

**Microfabric**
Late Palaeoproterozoic ( 1800–1600 Ma) stromatolites, Cuddapah Basin, southern India: cyanobacterial or other bacterial microfabrics?, 92 (1998) 21

**Mineralization**
Geology and tectonic evolution of the Palaeoproterozoic Bryah, Padbury and Yerrida Basins (formerly Glengarry Basin), Western Australia: implications for the history of the south-central Capricorn Orogen, 90 (1998) 119

**Model ages**
Crust-forming ages and proterozoic crustal evoluton in Nigeria: a reappraisal of current interpretations, 87 (1998) 65

Nd isotope mapping of a cryptic continental suture, Grenville Province of Ontario, 91 (1998) 433

**Namibia**
Archaean to Neoproterozoic magmatic events in the Kaoko belt of NW Namibia and their geodynamic significance, 92 (1998) 341

**Narryer Gneiss Terrane**
The interpretation of complex zircon U–Pb systems in Archaean granitoids and gneisses from the Jack Hills, Narryer Gneiss Terrane, Western Australia, 91 (1998) 309

**Nd isotopes**
The Late Archean history of the Wyoming province as recorded by granitic magmatism in the Wind River Range, Wyoming, 89 (1998) 145

Geochemistry and petrology of 2.40–2.45 Ga magmatic rocks in the north-western Belomorian Belt, Fennoscandian Shield, Russia, 92 (1998) 223

**Neodymium**
Infilling history of a Neoproterozoic intracratonic basin: Nd isotope provenance studies of the Uinta Mountain Group, Western United States, 87 (1998) 1

Nd isotope mapping of a cryptic continental suture, Grenville Province of Ontario, 91 (1998) 433

**Neodymium isotopes**
Nd isotopic evolution of the upper mantle during the Precambrian: models, data and the uncertainty of both, 91 (1998) 233

**Neoproterozoic**
Late Neoproterozoic stromatolites in glacigenic successions of the Kimberley region, Western Australia: evidence for a younger Marinoan glaciation, 92 (1998) 65

Neoproterozoic carbonate sequences of the Una Group, Irecê Basin, Brazil: chemostratigraphy, age and correlations, 89 (1998) 87

Ion microprobe U–Pb ages for Neoproterozoic basaltic magmatism in south-central Australia and implications for the breakup of Rodinia, 87 (1998) 135

**Nigeria**
Crust-forming ages and proterozoic crustal evoluton in Nigeria: a reappraisal of current interpretations, 87 (1998) 65

**Northern Indian Craton**
Sm–Nd age of the Garhwal–Bhowali volcanics, western Himalayas: vestiges of the Late Archaean Rampur flood basalt Province of the northern Indian Craton, 87 (1998) 217

**North Pole Chert**
Growth fault control of Early Archaean cherts, barite mounds and chert-barite veins, North Pole Dome, Eastern Pilbara, Western Australia, 88 (1998) 25

**Oceanic crust**
Metamorphism, denudation and sea level in the Archean and cooling of the Earth, 92 (1998) 389

**Origin of TTG gneisses**
The interpretation of complex zircon U–Pb systems in Archaean granitoids and gneisses from the Jack Hills, Narryer Gneiss Terrane, Western Australia, 91 (1998) 309

**Orogenic collapse**
Transamazonian Orogeny in the Southern São Francisco Craton Region, Minas Gerais, Brazil: evidence for Paleoproterozoic collision and collapse in the Quadrilátero Ferrífero, 90 (1998) 29

**Orogeny**
Transamazonian Orogeny in the Southern São Francisco Craton Region, Minas Gerais, Brazil: evidence for Paleoproterozoic collision and collapse in the Quadrilátero Ferrífero, 90 (1998) 29

**Oxygen isotopes**
Oxygen isotope ratios of Archean plutonic zircons from granite–greenstone belts of the Superior Province: indicator of magmatic source, 92 (1998) 365

**Padbury Group**
Structural–metamorphic evolution of the Palaeoproterozoic Bryah and Padbury Groups during the Capricorn orogeny, Western Australia, 90 (1998) 141

**Palaeoproterozoic**
Unraveling the record of successive high grade events in the Central Zone of the Limpopo Belt using Pb single phase dating of metamorphic minerals, 87 (1998) 87

Tectonic, stratigraphic, and geochemical comparisons between ca. 2500–2440 Ma mafic igneous events in the Canadian and Fennoscandian Shields, 92 (1998) 89

Structural–metamorphic evolution of the Palaeoproterozoic Bryah and Padbury Groups during the Capricorn orogeny, Western Australia, 90 (1998) 141

Geochemistry and petrology of 2.40–2.45 Ga magmatic rocks in the north-western Belomorian Belt, Fennoscandian Shield, Russia, 92 (1998) 223

Contrasting magmatic arcs in the Palaeoproterozoic of the south-western Baltic Shield, 92 (1998) 297

Geochemistry, age and origin of metagreywackes from the Palaeoproterozoic Karrat Group, Rinkian Belt, West Greenland, 91 (1998) 383

**Palaeoproterozoic basins**
Geology and tectonic evolution of the Palaeoproterozoic Bryah, Padbury and Yerrida Basins (formerly Glengarry Basin), Western Australia: implications for the history of the south-central Capricorn Orogen, 90 (1998) 119

**Paleomagnetism**
Geotectonics of the Hanson Lake block, Trans-Hudson orogen, central Canada: a preliminary paleomagnetic report, 90 (1998) 85

**Paleoproterozoic**
Petrogenesis of juvenile-type Birimian (Paleoproterozoic) granitoids in Central Côte-d'Ivoire, West Africa: geochemistry and geochronology, 87 (1998) 33

Geochemical and Nd isotopic compositions of the metasedimentary rocks in the La Ronge Domain, Trans-Hudson Orogen, Canada: implications for evolution of the domain, 92 (1998) 37

An overview of the U–Pb geochronology of the Paleoproterozoic Torngat Orogen, Northeastern Canada, 91 (1998) 91

Age constraints on gold mineralization and Paleoproterozoic crustal evolution in the Ashanti belt of southern Ghana, 89 (1998) 129

Contrasting mechanism of crustal growth, 92 (1998) 165

Petrogenesis of 1.9 Ga limestones and dolostones and their record of Paleoproterozoic environments, 90 (1998) 187

**Paleoproterozoic orogenic belts**
Crustal growth and crustal recycling in the Nagssugtoqidian orogen of West Greenland: Constraints from radiogenic isotope systematics and U–Pb zircon geochronology, 91 (1998) 365

**Pan-African Orogeny**
Petrogenesis of late Neoproterozoic dikes in the northern Arabian–Nubian Shield, 92 (1998) 195

Archaean to Neoproterozoic magmatic events in the Kaoko belt of NW Namibia and their geodynamic significance, 92 (1998) 341

**Pan African**
Crust-forming ages and proterozoic crustal evoluton in Nigeria: a reappraisal of current interpretations, 87 (1998) 65

**Pb-isotopes**
Timing of gold mineralization in the Mt York district, Pilgangoora greenstone belt, and implications for the tectonic and metamorphic evolution of an area linking the western and eastern Pilbara Craton, 88 (1998) 249

**Pb/Pb**
U–Pb and Sm–Nd dating of high-pressure granulite- and upper amphibolite facies rocks from SW Sweden, 92 (1998) 319

Age and lead isotope systematics of uranium-enriched cobalt mineralization in the Modum complex, South Norway. Implications for Precambrian crustal evolution in the SW part of the Baltic Shield, 91 (1998) 419

**Pb isotopes**
Unraveling the record of successive high grade events in the Central Zone of the Limpopo Belt using Pb single phase dating of metamorphic minerals, 87 (1998) 87

The Late Archean history of the Wyoming province as recorded by granitic magmatism in the Wind River Range, Wyoming, 89 (1998) 145

Pb isotope mapping of differentially uplifted Archean basement: a case study from the Grenville Province, Ontario, 91 (1998) 445

**Pegmatite dykes**
Timing and thermal influence of late orogenic extension in the lower crust: a U–Pb geochronological study from the southwest Grenville orogen, Canada, 89 (1998) 25

**Petrogenesis**
The Red Lake greenstone belt, Superior Province: evidence of plume-related magmatism at 3 Ga and evidence of an older enriched source, 89 (1998) 59

Petrological and geochemical characteristics of a Paleoproterozoic magmatic arc (Narsajuaq terrane, Ungava Orogen, Canada) and comparisons to Superior Province granitoids, 91 (1998) 109

**Pilbara**
The Sholl Shear Zone, West Pilbara: evidence for a domain boundary structure from integrated tectonostratigraphic analyses, SHRIMP U–Pb dating and isotopic and geochemical data of granitoids, 88 (1998) 143

**Pilbara Block**
Evidence for multiphase deformation in the Archean basal Warrawoona Group in the Marble Bar area, East Pilbara, Western Australia, 88 (1998) 53

Tectonic settings of Archaean (3325–2775 Ma) crustal–supracrustal belts in the West Pilbara Block, 88 (1998) 173

**Pilbara Craton**
Growth fault control of Early Archaean cherts, barite mounds and chert-barite veins, North Pole Dome, Eastern Pilbara, Western Australia, 88 (1998) 25

Fault and stratigraphic controls on volcanogenic massive sulphide deposits in the Strelley Belt, Pilbara Craton, Western Australia, 88 (1998) 67

Timing and tectonic significance of Late Archaean, sinistral strike-slip deformation in the Central Pilbara Structural Corridor, Pilbara Craton, Western Australia, 88 (1998) 207

**Pilbara Gold**
Timing of gold mineralization in the Mt York district, Pilgangoora greenstone belt, and implications for the tectonic and metamorphic evolution of an area linking the western and eastern Pilbara Craton, 88 (1998) 249

**Pilbara, Western Australia**
Tensile and compressive growth structures: relationships between sedimentation, deformation and granite intrusion in the Archaean Coppin Gap greenstone belt, Eastern Pilbara, Western Australia, 88 (1998) 83

**Polymetamorphic**
Unraveling the record of successive high grade events in the Central Zone of the Limpopo Belt using Pb single phase dating of metamorphic minerals, 87 (1998) 87

**Precambrian**
Hypersaline fluids in Precambrian deep-crustal metamorphism, 91 (1998) 41

**Precambrian–Cambrian boundary**
The carbon and sulfur isotope signatures in the Precambrian–Cambrian transition series of the Yangtze Platform, 89 (1998) 77

**Proterozoic**
Infilling history of a Neoproterozoic intracratonic basin: Nd isotope provenance studies of the Uinta Mountain Group, Western United States, 87 (1998) 1

Late Palaeoproterozoic ( 1800–1600 Ma) stromatolites, Cuddapah Basin, southern India: cyanobacterial or other bacterial microfabrics?, 92 (1998) 21

Transamazonian Orogeny in the Southern São Francisco Craton Region, Minas Gerais, Brazil: evidence for Paleoproterozoic collision and collapse in the Quadrilátero Ferrífero, 90 (1998) 29

U–Pb zircon and Sm–Nd geochronology of the Mesoproterozoic of North Queensland: implications for a Rodinian connection with the Belt supergroup of North America, 89 (1998) 101

**Provenance**
Infilling history of a Neoproterozoic intracratonic basin: Nd isotope provenance studies of the Uinta Mountain Group, Western United States, 87 (1998) 1

**Quetico Subprovince**
Thermo-tectonic evolution of an Archean accretionary complex: U–Pb geochronological constraints on granulites from the Quetico Subprovince, Ontario, Canada, 92 (1998) 117

**Rates**
Pitfalls and new approaches in granulite chronometry. An example from the Limpopo Belt, Zimbabwe, 91 (1998) 269

**REE patterns**
Archean crustal evolution of the Aldan Shield, Siberia: geochemical and isotopic constraints, 91 (1998) 333

**Rifting**
Intermittent 1.53–1.13 Ga magmatism in western Baltica; age constraints and correlations within a postulated supercontinent, 92 (1998) 1

**Rodinia**
U–Pb zircon and Sm–Nd geochronology of the Mesoproterozoic of North Queensland: implications for a Rodinian connection with the Belt supergroup of North America, 89 (1998) 101

Ion microprobe U–Pb ages for Neoproterozoic basaltic magmatism in south-central Australia and implications for the breakup of Rodinia, 87 (1998) 135

**S-34/S-32**
The carbon and sulfur isotope signatures in the Precambrian–Cambrian transition series of the Yangtze Platform, 89 (1998) 77

**Samarium**
Nd isotope mapping of a cryptic continental suture, Grenville Province of Ontario, 91 (1998) 433

**Sedimentary rocks**
Infilling history of a Neoproterozoic intracratonic basin: Nd isotope provenance studies of the Uinta Mountain Group, Western United States, 87 (1998) 1

**Sedimentation and tectonics**
Growth fault control of Early Archaean cherts, barite mounds and chert-barite veins, North Pole Dome, Eastern Pilbara, Western Australia, 88 (1998) 25

Tensile and compressive growth structures: relationships between sedimentation, deformation and granite intrusion in the Archaean Coppin Gap greenstone belt, Eastern Pilbara, Western Australia, 88 (1998) 83

**Sequence stratigraphy**
Tectonic settings of Archaean (3325–2775 Ma) crustal–supracrustal belts in the West Pilbara Block, 88 (1998) 173

**Shear zone kinematics**
Evidence for multiphase deformation in the Archean basal Warrawoona Group in the Marble Bar area, East Pilbara, Western Australia, 88 (1998) 53

**Shear zones**
Brasiliano crustal extension and emplacement fabrics of the mangerite–charnockite pluton of Umarizal, North-east Brazil, 87 (1998) 19

Geochronological constraints on the last stages of terrane assembly in the central part of the Grenville Province, 92 (1998) 145

Hornblende 40Ar/39Ar geochronology across terrane boundaries in the Sveconorwegian Province of S. Norway, 90 (1998) 159

**SHRIMP**
Timing of gold mineralization in the Mt York district, Pilgangoora greenstone belt, and implications for the tectonic and metamorphic evolution of an area linking the western and eastern Pilbara Craton, 88 (1998) 249

Geochemistry, age and origin of metagreywackes from the Palaeoproterozoic Karrat Group, Rinkian Belt, West Greenland, 91 (1998) 383

**SHRIMP zircon study**
The interpretation of complex zircon U–Pb systems in Archaean granitoids and gneisses from the Jack Hills, Narryer Gneiss Terrane, Western Australia, 91 (1998) 309

**Sinistral transpression**
Timing and tectonic significance of Late Archaean, sinistral strike-slip deformation in the Central Pilbara Structural Corridor, Pilbara Craton, Western Australia, 88 (1998) 207

**Sm–Nd**
U–Pb zircon and Sm–Nd geochronology of the Mesoproterozoic of North Queensland: implications for a Rodinian connection with the Belt supergroup of North America, 89 (1998) 101

Nd isotopic evolution of the upper mantle during the Precambrian: models, data and the uncertainty of both, 91 (1998) 233

**Sm–Nd age**
Sm–Nd age of the Garhwal–Bhowali volcanics, western Himalayas: vestiges of the Late Archaean Rampur flood basalt Province of the northern Indian Craton, 87 (1998) 217

**Sm–Nd isotopes**
Geochemical and Nd isotopic compositions of the metasedimentary rocks in the La Ronge Domain, Trans-Hudson Orogen, Canada: implications for evolution of the domain, 92 (1998) 37

**Sm-Nd dating**
Archean crustal evolution of the Aldan Shield, Siberia: geochemical and isotopic constraints, 91 (1998) 333

**Sm/Nd**
U–Pb and Sm–Nd dating of high-pressure granulite- and upper amphibolite facies rocks from SW Sweden, 92 (1998) 319

**Southern Ghana**
Age constraints on gold mineralization and Paleoproterozoic crustal evolution in the Ashanti belt of southern Ghana, 89 (1998) 129

**Southern Norway**
Hornblende 40Ar/39Ar geochronology across terrane boundaries in the Sveconorwegian Province of S. Norway, 90 (1998) 159

**South India**
Sinking of the Dharwar Basin (South India): implications for Archaean tectonics, 91 (1998) 15

**Spurious isochron**
Isotopic peculiarities of an Archaean pegmatite (Union Mine, Mica, South Africa): Geochemical and geochronological implications, 91 (1998) 253

**Sr isotopes**
The Late Archean history of the Wyoming province as recorded by granitic magmatism in the Wind River Range, Wyoming, 89 (1998) 145

**Stable isotopes**
Petrogenesis of 1.9 Ga limestones and dolostones and their record of Paleoproterozoic environments, 90 (1998) 187

**Stratigraphy**
Fault and stratigraphic controls on volcanogenic massive sulphide deposits in the Strelley Belt, Pilbara Craton, Western Australia, 88 (1998) 67

**Strike-slip**
The Mulgandinnah Shear Zone; an Archean crustal scale strike-slip zone, eastern Pilbara, Western Australia, 88 (1998) 233

**Stromatolite**
Late Palaeoproterozoic (1800–1600 Ma) stromatolites, Cuddapah Basin, southern India: cyanobacterial or other bacterial microfabrics?, 92 (1998) 21

**Stromatolites**
Late Neoproterozoic stromatolites in glacigenic successions of the Kimberley region, Western Australia: evidence for a younger Marinoan glaciation, 92 (1998) 65

**Superior Province**
Chronostratigraphic constraints on the genesis of Archean greenstone belts, northwestern Superior Province, Ontario, Canada, 92 (1998) 277

Oxygen isotope ratios of Archean plutonic zircons from granite–greenstone belts of the Superior Province: indicator of magmatic source, 92 (1998) 365

**Sveconorwegian**
Ion probe zircon dating of metasedimentary units across the Skagerrak: new constraints for early Mesoproterozoic growth of the Baltic Shield, 87 (1998) 117

**Sweden**
U–Pb and Sm–Nd dating of high-pressure granulite- and upper amphibolite facies rocks from SW Sweden, 92 (1998) 319

**SW Sweden**
Intermittent 1.53–1.13 Ga magmatism in western Baltica; age constraints and correlations within a postulated supercontinent, 92 (1998) 1

**Talga Talga Anticline**
Evidence for multiphase deformation in the Archean basal Warrawoona Group in the Marble Bar area, East Pilbara, Western Australia, 88 (1998) 53

**Tectonic evolution**
Geology and tectonic evolution of the Palaeoproterozoic Bryah, Padbury and Yerrida Basins (formerly Glengarry Basin), Western Australia: implications for the history of the south-central Capricorn Orogen, 90 (1998) 119

**Tectonics**
Tectonic settings of Archaean (3325–2775 Ma) crustal–supracrustal belts in the West Pilbara Block, 88 (1998) 173

**Tectonic setting**
Geochemistry and petrology of 2.40–2.45 Ga magmatic rocks in the north-western Belomorian Belt, Fennoscandian Shield, Russia, 92 (1998) 223

**Terrane**
The Sholl Shear Zone, West Pilbara: evidence for a domain boundary structure from integrated tectonostratigraphic analyses, SHRIMP U–Pb dating and isotopic and geochemical data of granitoids, 88 (1998) 143

**Terrane assembly**
Geochronological constraints on the last stages of terrane assembly in the central part of the Grenville Province, 92 (1998) 145

**Terranes**
Hornblende 40Ar/39Ar geochronology across terrane boundaries in the Sveconorwegian Province of S. Norway, 90 (1998) 159

**Tholeiite**
Petrogenesis of late Neoproterozoic dikes in the northern Arabian–Nubian Shield, 92 (1998) 195

**Titanite**
Timing and thermal influence of late orogenic extension in the lower crust: a U–Pb geochronological study from the southwest Grenville orogen, Canada, 89 (1998) 25

**Tonalite**
Archean magmatism and deformation were not products of plate tectonics, 91 (1998) 143

**Torngat Orogen**
An overview of the U–Pb geochronology of the Paleoproterozoic Torngat Orogen, Northeastern Canada, 91 (1998) 91

**Trace elements**
Infilling history of a Neoproterozoic intracratonic basin: Nd isotope provenance studies of the Uinta Mountain Group, Western United States, 87 (1998) 1

Geochemistry and petrology of 2.40–2.45 Ga magmatic rocks in the north-western Belomorian Belt, Fennoscandian Shield, Russia, 92 (1998) 223

**Trans-Hudson orogen**
Geotectonics of the Hanson Lake block, Trans-Hudson orogen, central Canada: a preliminary paleomagnetic report, 90 (1998) 85

**Transpression**
A structural transect across the coastal mobile belt in the Brazilian Highlands (latitude 20S): the roots of a Precambrian transpressional orogen, 92 (1998) 251

**TTG (Tonalite-Trondhjemite-Granodiorite)**
Archean crustal evolution of the Aldan Shield, Siberia: geochemical and isotopic constraints, 91 (1998) 333

**U–Pb**
U–Pb zircon and Sm–Nd geochronology of the Mesoproterozoic of North Queensland: implications for a Rodinian connection with the Belt supergroup of North America, 89 (1998) 101

Chronostratigraphic constraints on the genesis of Archean greenstone belts, northwestern Superior Province, Ontario, Canada, 92 (1998) 277

Early Archean crust in the northern Wyoming province. Evidence from U–Pb ages of detrital zircons, 91 (1998) 295

**U–Pb geochronology**
Intermittent 1.53–1.13 Ga magmatism in western Baltica; age constraints and correlations within a postulated supercontinent, 92 (1998) 1

Timing and thermal influence of late orogenic extension in the lower crust: a U–Pb geochronological study from the southwest Grenville orogen, Canada, 89 (1998) 25

Petrology and U–Pb geochronology of mafic, high-pressure, metamorphic coronites from the Tshenukutish domain, eastern Grenville Province, 90 (1998) 59

An overview of the U–Pb geochronology of the Paleoproterozoic Torngat Orogen, Northeastern Canada, 91 (1998) 91

Thermo-tectonic evolution of an Archean accretionary complex: U–Pb geochronological constraints on granulites from the Quetico Subprovince, Ontario, Canada, 92 (1998) 117

The Late Archean history of the Wyoming province as recorded by granitic magmatism in the Wind River Range, Wyoming, 89 (1998) 145

Geochronological constraints on the last stages of terrane assembly in the central part of the Grenville Province, 92 (1998) 145

**U–Pb SHRIMP geochronology**
Evidence for multiple Palaeoproterozoic thermal events and magmatism adjacent to the Broken Hill Pb–Zn–Ag orebody, Australia, 90 (1998) 203

**U–Pb zircon age**
Neoproterozoic bimodal volcanism in the central Ogcheon belt, Korea: age and tectonic implication, 89 (1998) 47

**U/Pb**
U–Pb and Sm–Nd dating of high-pressure granulite- and upper amphibolite facies rocks from SW Sweden, 92 (1998) 319

**U/Pb mineral dating**
Age constraints on gold mineralization and Paleoproterozoic crustal evolution in the Ashanti belt of southern Ghana, 89 (1998) 129

**Ungava Orogen**
Petrological and geochemical characteristics of a Paleoproterozoic magmatic arc (Narsajuaq terrane, Ungava Orogen, Canada) and comparisons to Superior Province granitoids, 91 (1998) 109

**Upper mantle**
Nd isotopic evolution of the upper mantle during the Precambrian: models, data and the uncertainty of both, 91 (1998) 233

**Uraninite**
Age and lead isotope systematics of uranium-enriched cobalt mineralization in the Modum complex, South Norway. Implications for Precambrian crustal evolution in the SW part of the Baltic Shield, 91 (1998) 419

**Volcanics**
3430 to 3417 Ma calc-alkaline volcanism in the McPhee Dome and Kelly Belt, and growth of the eastern Pilbara Craton, 88 (1998) 3

**Volcanogenic massive sulphides**
Fault and stratigraphic controls on volcanogenic massive sulphide deposits in the Strelley Belt, Pilbara Craton, Western Australia, 88 (1998) 67

**Volcanosedimentary cycle**
The Cleaverville Group in the West Pilbara Coastal Granitoid-Greenstone Terrain of Western Australia: an example of a Mid-Archaean immature oceanic island-arc succession, 88 (1998) 109

**Warrawoona Group**
Evidence for multiphase deformation in the Archean basal Warrawoona Group in the Marble Bar area, East Pilbara, Western Australia, 88 (1998) 53

**West Africa**
Petrogenesis of juvenile-type Birimian (Paleoproterozoic) granitoids in Central Côte-d'Ivoire, West Africa: geochemistry and geochronology, 87 (1998) 33

**West African craton**
Archean crustal evolution of the West African Craton: example of the Amsaga Area (Reguibat Rise). U–Pb and Sm–Nd evidence for crustal growth and recycling, 90 (1998) 107

Age constraints on gold mineralization and Paleoproterozoic crustal evolution in the Ashanti belt of southern Ghana, 89 (1998) 129

**Western Australia**
Late Neoproterozoic stromatolites in glacigenic successions of the Kimberley region, Western Australia: evidence for a younger Marinoan glaciation, 92 (1998) 65

The interpretation of complex zircon U–Pb systems in Archaean granitoids and gneisses from the Jack Hills, Narryer Gneiss Terrane, Western Australia, 91 (1998) 309

**West Greenland**
Crustal growth and crustal recycling in the Nagssugtoqidian orogen of West Greenland: Constraints from radiogenic isotope systematics and U–Pb zircon geochronology, 91 (1998) 365

**Wyoming**
The Late Archean history of the Wyoming province as recorded by granitic magmatism in the Wind River Range, Wyoming, 89 (1998) 145

**Yangtze Platform**
The carbon and sulfur isotope signatures in the Precambrian–Cambrian transition series of the Yangtze Platform, 89 (1998) 77

**Zircon**
Timing and thermal influence of late orogenic extension in the lower crust: a U–Pb geochronological study from the southwest Grenville orogen, Canada, 89 (1998) 25

Ion microprobe U–Pb ages for Neoproterozoic basaltic magmatism in south-central Australia and implications for the breakup of Rodinia, 87 (1998) 135

The evolution of a layered metaigneous complex in the Rauer Group, East Antarctica: evidence for a distinct Archaean terrane, 89 (1998) 175

Oxygen isotope ratios of Archean plutonic zircons from granite–greenstone belts of the Superior Province: indicator of magmatic source, 92 (1998) 365

**Zircon ages**
Geochemistry, age and origin of metagreywackes from the Palaeoproterozoic Karrat Group, Rinkian Belt, West Greenland, 91 (1998) 383

**Zircon geochronology**
Archaean to Neoproterozoic magmatic events in the Kaoko belt of NW Namibia and their geodynamic significance, 92 (1998) 341

**Zircon U-Pb dating**
Archean crustal evolution of the Aldan Shield, Siberia: geochemical and isotopic constraints, 91 (1998) 333

ELSEVIER

Precambrian Research 92 (1998) 431–436

Precambrian Research

# Author Index, Volumes 87–92 (1998)

Åhäll, K.-I. and Connelly, J., Intermittent 1.53–1.13 Ga magmatism in western Baltica; age constraints and correlations within a postulated supercontinent, 92 (1998) 1

Åhäll, K.-I., *see* Brewer, T.S., 92 (1998) 297

Åhäll, K.I., Cornell, D.H. and Armstrong, R., Ion probe zircon dating of metasedimentary units across the Skagerrak: new constraints for early Mesoproterozoic growth of the Baltic Shield, 87 (1998) 117

Alapieti, T.T., *see* Vogel, D.C., 92 (1998) 89

Alkmim, F.F. and Marshak, S., Transamazonian Orogeny in the Southern São Francisco Craton Region, Minas Gerais, Brazil: evidence for Paleoproterozoic collision and collapse in the Quadrilátero Ferrífero, 90 (1998) 29

Alkmim, F.F., *see* Cunningham, D., 92 (1998) 251

Amanor, J.A., *see* Oberthür, T., 89 (1998) 129

Andersen, T. and Grorud, H.-F., Age and lead isotope systematics of uranium-enriched cobalt mineralization in the Modum complex, South Norway. Implications for Precambrian crustal evolution in the SW part of the Baltic Shield, 91 (1998) 419

Ansdell, K., *see* Yang, H., 92 (1998) 37

Aranovich, L.Y., *see* Newton, R.C., 91 (1998) 41

Araújo, M.G.S., *see* Archanjo, C.J., 87 (1998) 19

Archanjo, C.J., Macedo, J.W.P., Galindo, A.C. and Araújo, M.G.S., Brasiliano crustal extension and emplacement fabrics of the mangerite–charnockite pluton of Umarizal, North-east Brazil, 87 (1998) 19

Arestova, N.A., *see* Lobach-Zhuchenko, S.B., 92 (1998) 223

Armstrong, R., *see* Åhäll, K.I., 87 (1998) 117

Avchenko, O.V., *see* Frost, B.R., 89 (1998) 1

Bain, J.H.C., *see* Blewett, R.S., 89 (1998) 101

Ball, T.T. and Farmer, G.L., Infilling history of a Neoproterozoic intracratonic basin: Nd isotope provenance studies of the Uinta Mountain Group, Western United States, 87 (1998) 1

Barley, M.E., *see* Neumayr, P., 88 (1998) 249

Barley, M.E., Loader, S.E. and McNaughton, N.J., 3430 to 3417 Ma calc-alkaline volcanism in the McPhee Dome and Kelly Belt, and growth of the eastern Pilbara Craton, 88 (1998) 3

Barley, M.E., *see* Vearncombe, S., 88 (1998) 67

Barley, M.E., *see* Smith, J.B., 88 (1998) 143

Barley, M.E., The tectonic and metallogenic evolution of the Pilbara Craton: preface, 88 (1998) 1

Barley, M.E., Krapez, B., Groves, D.I. and Kerrich, R., The Late Archaean bonanza: metallogenic and environmental consequences of the interaction between mantle plumes, lithospheric tectonics and global cyclicity, 91 (1998) 65

Barton, Jr, J.M., *see* Holzer, L., 87 (1998) 87

Bhat, M.I., Claesson, S., Dubey, A.K. and Pande, K., Sm–Nd age of the Garhwal–Bhowali volcanics, western Himalayas: vestiges of the Late Archaean Rampur flood basalt Province of the northern Indian Craton, 87 (1998) 217

Bickle, M.J., *see* Smith, J.B., 88 (1998) 143

Bingen, B., Boven, A., Punzalan, L., Wijbrans, J.R. and Demaiffe, D., Hornblende 40Ar/39Ar geochronology across terrane boundaries in the Sveconorwegian Province of S. Norway, 90 (1998) 159

Biswal, T.K., Gyani, K.C., Parthasarathy, R. and Pant, D.R., Implications of the geochemistry of the Pelitic Granulites of the Delhi Supergroup, Aravalli Mountain Belt, Northwestern India, 87 (1998) 75

Black, L.P., *see* Harley, S.L., 89 (1998) 175

Black, L.P., *see* Blewett, R.S., 89 (1998) 101

Blewett, R.S., Black, L.P., Sun, S.-s., Knutson, J., Hutton, L.J. and Bain, J.H.C., U–Pb zircon and Sm–Nd geochronology of the Mesoproterozoic of North Queensland: implications for a Rodinian connection with the Belt supergroup of North America, 89 (1998) 101

Bogomolov, E.S., *see* Lobach-Zhuchenko, S.B., 92 (1998) 223

Bouchot, V., *see* Feybesse, J.L., 87 (1998) 161

Boven, A., *see* Bingen, B., 90 (1998) 159

1998 Elsevier Science B.V.

*PII* S0301-9268(98)00113-2

Brewer, T.S., Daly, J.S. and Åhäll, K.-I., Contrasting magmatic arcs in the Palaeoproterozoic of the south-western Baltic Shield, 92 (1998) 297

Campbell, I.H., *see* Wingate, M.T.D., 87 (1998) 135
Capdevila, R., *see* Jahn, B.-M., 91 (1998) 333
Chamberlain, K.R., *see* Frost, B.R., 89 (1998) 1
Chamberlain, K.R., *see* Frost, C.D., 89 (1998) 145
Chang, H.-W., *see* Lee, K.-S., 89 (1998) 47
Chapman, H.J., *see* Smith, J.B., 88 (1998) 143
Chardon, D., Choukroune, P. and Jayananda, M., Sinking of the Dharwar Basin (South India): implications for Archaean tectonics, 91 (1998) 15
Chekulaev, V.P., *see* Lobach-Zhuchenko, S.B., 92 (1998) 223
Choukroune, P., *see* Chardon, D., 91 (1998) 15
Chu, X., *see* Shen, Y., 89 (1998) 77
Claesson, S., *see* Bhat, M.I., 87 (1998) 217
Clauer, N., *see* Toulkeridis, T., 92 (1998) 129
Cliff, R.A., Rex, D.C. and Guise, P.G., Geochronological studies of Proterozoic crustal evolution in the northern Outer Hebrides, 91 (1998) 401
Cocherie, A., *see* Vanderhaeghe, O., 92 (1998) 165
Collins, W.J., *see* Van Kranendonk, M.J., 88 (1998) 207
Compston, W., *see* Wingate, M.T.D., 87 (1998) 135
Connelly, J., *see* Åhäll, K.-I., 92 (1998) 1
Corfu, F., Davis, D.W., Stone, D. and Moore, M.L., Chronostratigraphic constraints on the genesis of Archean greenstone belts, northwestern Superior Province, Ontario, Canada, 92 (1998) 277
Corkeron, M., *see* Grey, K., 92 (1998) 65
Cornell, D.H., *see* Åhäll, K.I., 87 (1998) 117
Cornichet, J., *see* Jahn, B.-M., 91 (1998) 333
Cox, R.A., Dunning, G.R. and Indares, A., Petrology and U–Pb geochronology of mafic, high-pressure, metamorphic coronites from the Tshenukutish domain, eastern Grenville Province, 90 (1998) 59
Culshaw, N.G., *see* Ketchum, J.W.F., 89 (1998) 25
Cunningham, D., Alkmim, F.F. and Marshak, S., A structural transect across the coastal mobile belt in the Brazilian Highlands (latitude 20S): the roots of a Precambrian transpressional orogen, 92 (1998) 251

Dada, S.S., Crust-forming ages and proterozoic crustal evoluton in Nigeria: a reappraisal of current interpretations, 87 (1998) 65
Daly, J.S., *see* Brewer, T.S., 92 (1998) 297
Davis, D.W., *see* Oberthür, T., 89 (1998) 129
Davis, D.W., *see* Corfu, F., 92 (1998) 277
Davis, D.W., *see* King, E.M., 92 (1998) 365
de Bruijne, K., *see* Nijman, W., 88 (1998) 25
de Keijzer, M., *see* Zegers, T.E., 88 (1998) 233
de Wit, M.J., On Archean granites, greenstones, cratons and tectonics: does the evidence demand a verdict?, 91 (1998) 181
Delor, C., *see* Doumbia, S., 87 (1998) 33
Demaiffe, D., *see* Bingen, B., 90 (1998) 159
Dickin, A.P., Pb isotope mapping of differentially uplifted Archean basement: a case study from the Grenville Province, Ontario, 91 (1998) 445
Dickin, A.P., Nd isotope mapping of a cryptic continental suture, Grenville Province of Ontario, 91 (1998) 433
Doumbia, S., Pouclet, A., Kouamelan, A., Peucat, J.J., Vidal, M. and Delor, C., Petrogenesis of juvenile-type Birimian (Paleoproterozoic) granitoids in Central Côte-d'Ivoire, West Africa: geochemistry and geochronology, 87 (1998) 33
Dubey, A.K., *see* Bhat, M.I., 87 (1998) 217
Dunning, G.R., *see* Cox, R.A., 90 (1998) 59
Dunphy, J.M. and Ludden, J.N., Petrological and geochemical characteristics of a Paleoproterozoic magmatic arc (Narsajuaq terrane, Ungava Orogen, Canada) and comparisons to Superior Province granitoids, 91 (1998) 109

Edwards, G.R., *see* King, E.M., 92 (1998) 365
Egal, E., *see* Vanderhaeghe, O., 92 (1998) 165
Ehlers, K., *see* Nutman, A.P., 90 (1998) 203
Eisenlohr, B., *see* Krapez, B., 88 (1998) 173
Evensen, N.M., *see* Hu, Q., 91 (1998) 287

Fanning, C.M., *see* Potrel, A., 90 (1998) 107
Farmer, G.L., *see* Ball, T.T., 87 (1998) 1
Feybesse, J.L., Johan, V., Triboulet, C., Guerrot, C., Mayaga-Mikolo, F., Bouchot, V. and N'dong, J.E., The West Central African belt: a model of 2.5–2.0 Ga accretion and two-phase orogenic evolution, 87 (1998) 161
Fleet, M.E., *see* Pan, Y., 92 (1998) 117
Frank, W., *see* Frimmel, H.E., 90 (1998) 1
Frei, R., *see* Holzer, L., 87 (1998) 87
Frei, R., *see* Kamber, B.S., 91 (1998) 269
Friedman, R., *see* Martignole, J., 92 (1998) 145
Friend, C.R.L., *see* Whitehouse, M.J., 91 (1998) 229
Frimmel, H.E. and Frank, W., Neoproterozoic tectonothermal evolution of the Gariep Belt and its basement, Namibia and South Africa, 90 (1998) 1
Frost, B.R., Avchenko, O.V., Chamberlain, K.R. and Frost, C.D., Evidence for extensive Proterozoic remobilization of the Aldan shield and implications for Proterozoic plate tectonic reconstructions of Siberia and Laurentia, 89 (1998) 1
Frost, B.R., *see* Frost, C.D., 89 (1998) 145
Frost, C.D., *see* Frost, B.R., 89 (1998) 1
Frost, C.D., Frost, B.R., Chamberlain, K.R. and Hulsebosch, T.P., The Late Archean history of the Wyoming province as recorded by granitic magmatism in the Wind River Range, Wyoming, 89 (1998) 145

Fyfe, W.S., Energy flow and geosphere interactions archaean to the present: the foundation of the global resource base, 91 (1998) 5

Gala, M.G., Symons, D.T.A. and Palmer, H.C., Geotectonics of the Hanson Lake block, Trans-Hudson orogen, central Canada: a preliminary paleomagnetic report, 90 (1998) 85
Galer, S.J.G. and Mezger, K., Metamorphism, denudation and sea level in the Archean and cooling of the Earth, 92 (1998) 389
Galindo, A.C., *see* Archanjo, C.J., 87 (1998) 19
Gibb, A.J., *see* Kamber, B.S., 91 (1998) 269
Gibson, G.M., *see* Wingate, M.T.D., 87 (1998) 135
Goldstein, S.L., *see* Toulkeridis, T., 92 (1998) 129
Grey, K. and Corkeron, M., Late Neoproterozoic stromatolites in glacigenic successions of the Kimberley region, Western Australia: evidence for a younger Marinoan glaciation, 92 (1998) 65
Grorud, H.-F., *see* Andersen, T., 91 (1998) 419
Groves, D.I., *see* Smith, J.B., 88 (1998) 143
Groves, D.I., *see* Neumayr, P., 88 (1998) 249
Groves, D.I., *see* Barley, M.E., 91 (1998) 65
Gruau, G., *see* Jahn, B.-M., 91 (1998) 333
Guerrot, C., *see* Feybesse, J.L., 87 (1998) 161
Guise, P.G., *see* Cliff, R.A., 91 (1998) 401
Gyani, K.C., *see* Biswal, T.K., 87 (1998) 75

Hall, R.P., *see* Tomlinson, K.Y., 89 (1998) 59
Hamilton, W.B., Archean magmatism and deformation were not products of plate tectonics, 91 (1998) 143
Hansen, E.C., *see* Newton, R.C., 91 (1998) 41
Harley, S.L., Snape, I. and Black, L.P., The evolution of a layered metaigneous complex in the Rauer Group, East Antarctica: evidence for a distinct Archaean terrane, 89 (1998) 175
Harris, P.D., *see* Kruger, F.J., 91 (1998) 253
Heaman, L., *see* Pan, Y., 92 (1998) 117
Heaman, L.M., *see* Ketchum, J.W.F., 89 (1998) 25
Henry, P., *see* Tomlinson, K.Y., 89 (1998) 59
Holzer, L., Frei, R., Barton Jr, J.M. and Kramers, J.D., Unraveling the record of successive high grade events in the Central Zone of the Limpopo Belt using Pb single phase dating of metamorphic minerals, 87 (1998) 87
Hu, Q., Evensen, N.M., Smith, P.E. and York, D., A world in a grain of sand: regional metamorphic history from 40Ar/39Ar laser probe analyses of proterozoic sediments from the Canadian shield, 91 (1998) 287
Hughes, D.J., *see* Tomlinson, K.Y., 89 (1998) 59
Hulsebosch, T.P., *see* Frost, C.D., 89 (1998) 145
Hutton, L.J., *see* Blewett, R.S., 89 (1998) 101

Indares, A., *see* Cox, R.A., 90 (1998) 59

Jahn, B.-M., Gruau, G., Capdevila, R., Cornichet, J., Nemchin, A., Pidgeon, R. and Rudnik, V.A., Archean crustal evolution of the Aldan Shield, Siberia: geochemical and isotopic constraints, 91 (1998) 333
James, N.P., *see* Whittaker, S.G., 90 (1998) 187
James, R.S., *see* Vogel, D.C., 92 (1998) 89
Jamieson, R.A., *see* Ketchum, J.W.F., 89 (1998) 25
Jayananda, M., *see* Chardon, D., 91 (1998) 15
Johan, V., *see* Feybesse, J.L., 87 (1998) 161
Johansson, L., *see* Wang, X.-D., 92 (1998) 319

Kalsbeek, F., Pulvertaft, T.C.R. and Nutman, A.P., Geochemistry, age and origin of metagreywackes from the Palaeoproterozoic Karrat Group, Rinkian Belt, West Greenland, 91 (1998) 383
Kalsbeek, F., *see* Whitehouse, M.J., 91 (1998) 365
Kamber, B.S., Frei, R. and Gibb, A.J., Pitfalls and new approaches in granulite chronometry. An example from the Limpopo Belt, Zimbabwe, 91 (1998) 269
Kamber, B.S., *see* Kruger, F.J., 91 (1998) 253
Kerrich, R., *see* Barley, M.E., 91 (1998) 65
Kessel, R., Stein, M. and Navon, O., Petrogenesis of late Neoproterozoic dikes in the northern Arabian–Nubian Shield, 92 (1998) 195
Ketchum, J.W.F., Heaman, L.M., Krogh, T.E., Culshaw, N.G. and Jamieson, R.A., Timing and thermal influence of late orogenic extension in the lower crust: a U–Pb geochronological study from the southwest Grenville orogen, Canada, 89 (1998) 25
King, E.M., Valley, J.W., Davis, D.W. and Edwards, G.R., Oxygen isotope ratios of Archean plutonic zircons from granite–greenstone belts of the Superior Province: indicator of magmatic source, 92 (1998) 365
Kinny, P.D., *see* Neumayr, P., 88 (1998) 249
Kiyokawa, S. and Taira, A., The Cleaverville Group in the West Pilbara Coastal Granitoid-Greenstone Terrain of Western Australia: an example of a Mid-Archaean immature oceanic island-arc succession, 88 (1998) 109
Knutson, J., *see* Blewett, R.S., 89 (1998) 101
Kouamelan, A., *see* Doumbia, S., 87 (1998) 33
Kramers, J.D., *see* Holzer, L., 87 (1998) 87
Kramers, J.D., *see* Nägler, T.F., 91 (1998) 233
Krapez, B., *see* Smith, J.B., 88 (1998) 143
Krapez, B. and Eisenlohr, B., Tectonic settings of Archaean (3325–2775 Ma) crustal–supracrustal belts in the West Pilbara Block, 88 (1998) 173
Krapez, B., *see* Barley, M.E., 91 (1998) 65
Krikke, A., *see* Nijman, W., 88 (1998) 83
Krogh, T.E., *see* Ketchum, J.W.F., 89 (1998) 25
Kröner, A., *see* Toulkeridis, T., 92 (1998) 129
Kröner, A., *see* Seth, B., 92 (1998) 341
Kruger, F.J., Kamber, B.S. and Harris, P.D., Isotopic peculiarities of an Archaean pegmatite (Union

Mine, Mica, South Africa): Geochemical and geochronological implications, 91 (1998) 253
Krylov, I.N., *see* Lobach-Zhuchenko, S.B., 92 (1998) 223
Kyser, K., *see* Yang, H., 92 (1998) 37
Kyser, T.K., *see* Whittaker, S.G., 90 (1998) 187

Ledru, P., *see* Vanderhaeghe, O., 92 (1998) 165
Lee, K.-S., Chang, H.-W. and Park, K.-H., Neoproterozoic bimodal volcanism in the central Ogcheon belt, Korea: age and tectonic implication, 89 (1998) 47
Lei, J., *see* Shen, Y., 89 (1998) 77
Levsky, L.K., *see* Lobach-Zhuchenko, S.B., 92 (1998) 223
Lindh, A., *see* Wang, X.-D., 92 (1998) 319
Loader, S.E., *see* Barley, M.E., 88 (1998) 3
Lobach-Zhuchenko, S.B., Arestova, N.A., Chekulaev, V.P., Levsky, L.K., Bogomolov, E.S. and Krylov, I.N., Geochemistry and petrology of 2.40–2.45 Ga magmatic rocks in the north-western Belomorian Belt, Fennoscandian Shield, Russia, 92 (1998) 223
Ludden, J.N., *see* Dunphy, J.M., 91 (1998) 109

Macedo, J.W.P., *see* Archanjo, C.J., 87 (1998) 19
Marshak, S., *see* Alkmim, F.F., 90 (1998) 29
Marshak, S., *see* Cunningham, D., 92 (1998) 251
Martignole, J. and Friedman, R., Geochronological constraints on the last stages of terrane assembly in the central part of the Grenville Province, 92 (1998) 145
Mayaga-Mikolo, F., *see* Feybesse, J.L., 87 (1998) 161
McNaughton, N.J., *see* Smith, J.B., 88 (1998) 143
McNaughton, N.J., *see* Neumayr, P., 88 (1998) 249
McNaughton, N.J., *see* Barley, M.E., 88 (1998) 3
Melezhik, V.A. and Sturt, B.A., Discussion. The early Proterozoic Pechenga–Varzuga Belt: a case of Precambrian back-arc spreading by Evgenii V. Sharkov and Valery F. Smolkin (1997) *Precambrian Research* 82, 133–151: Comments, 92 (1998) 215
Mezger, K., *see* Galer, S.J.G., 92 (1998) 389
Mezger, K., *see* Seth, B., 92 (1998) 341
Milési, J.-P., *see* Vanderhaeghe, O., 92 (1998) 165
Misi, A. and Veizer, J., Neoproterozoic carbonate sequences of the Una Group, Irecê Basin, Brazil: chemostratigraphy, age and correlations, 89 (1998) 87
Mogk, D.W., *see* Mueller, P.A., 91 (1998) 295
Moore, M.L., *see* Corfu, F., 92 (1998) 277
Mueller, P.A., Wooden, J.L., Nutman, A.P. and Mogk, D.W., Early Archean crust in the northern Wyoming province. Evidence from U–Pb ages of detrital zircons, 91 (1998) 295

N'dong, J.E., *see* Feybesse, J.L., 87 (1998) 161
Nägler, T.F. and Kramers, J.D., Nd isotopic evolution of the upper mantle during the Precambrian: models, data and the uncertainty of both, 91 (1998) 233
Navon, O., *see* Kessel, R., 92 (1998) 195
Nemchin, A., *see* Jahn, B.-M., 91 (1998) 333
Nemchin, A.A., *see* Seth, B., 92 (1998) 341
Neumayr, P., Ridley, J.R., McNaughton, N.J., Kinny, P.D., Barley, M.E. and Groves, D.I., Timing of gold mineralization in the Mt York district, Pilgangoora greenstone belt, and implications for the tectonic and metamorphic evolution of an area linking the western and eastern Pilbara Craton, 88 (1998) 249
Newton, R.C., Aranovich, L.Y., Hansen, E.C. and Vandenheuvel, B.A., Hypersaline fluids in Precambrian deep-crustal metamorphism, 91 (1998) 41
Nijman, W., de Bruijne, K. and Valkering, M.E., Growth fault control of Early Archaean cherts, barite mounds and chert-barite veins, North Pole Dome, Eastern Pilbara, Western Australia, 88 (1998) 25
Nijman, W., Willigers, B.J.A. and Krikke, A., Tensile and compressive growth structures: relationships between sedimentation, deformation and granite intrusion in the Archaean Coppin Gap greenstone belt, Eastern Pilbara, Western Australia, 88 (1998) 83
Nutman, A.P. and Ehlers, K., Evidence for multiple Palaeoproterozoic thermal events and magmatism adjacent to the Broken Hill Pb–Zn–Ag orebody, Australia, 90 (1998) 203
Nutman, A.P., *see* Kalsbeek, F., 91 (1998) 383
Nutman, A.P., *see* Whitehouse, M.J., 91 (1998) 365
Nutman, A.P., *see* Mueller, P.A., 91 (1998) 295

Oberthür, T., Vetter, U., Davis, D.W. and Amanor, J.A., Age constraints on gold mineralization and Paleoproterozoic crustal evolution in the Ashanti belt of southern Ghana, 89 (1998) 129
Occhipinti, S.A., Swager, C.P. and Pirajno, F., Structural–metamorphic evolution of the Palaeoproterozoic Bryah and Padbury Groups during the Capricorn orogeny, Western Australia, 90 (1998) 141
Occhipinti, S.A., *see* Pirajno, F., 90 (1998) 119
Okrusch, M., *see* Seth, B., 92 (1998) 341

Palmer, H.C., *see* Gala, M.G., 90 (1998) 85
Pan, Y., Fleet, M.E. and Heaman, L., Thermo-tectonic evolution of an Archean accretionary complex: U–Pb geochronological constraints on granulites from the Quetico Subprovince, Ontario, Canada, 92 (1998) 117
Pande, K., *see* Bhat, M.I., 87 (1998) 217
Pant, D.R., *see* Biswal, T.K., 87 (1998) 75
Park, K.-H., *see* Lee, K.-S., 89 (1998) 47
Parthasarathy, R., *see* Biswal, T.K., 87 (1998) 75
Passchier, C.W., *see* Zegers, T.E., 88 (1998) 233

Peucat, J.J., *see* Doumbia, S., 87 (1998) 33
Peucat, J.J., *see* Potrel, A., 90 (1998) 107
Pidgeon, R., *see* Jahn, B.-M., 91 (1998) 333
Pidgeon, R.T. and Wilde, S.A., The interpretation of complex zircon U–Pb systems in Archaean granitoids and gneisses from the Jack Hills, Narryer Gneiss Terrane, Western Australia, 91 (1998) 309
Pidgeon, R.T., *see* Seth, B., 92 (1998) 341
Pirajno, F., *see* Occhipinti, S.A., 90 (1998) 141
Pirajno, F., Occhipinti, S.A. and Swager, C.P., Geology and tectonic evolution of the Palaeoproterozoic Bryah, Padbury and Yerrida Basins (formerly Glengarry Basin), Western Australia: implications for the history of the south-central Capricorn Orogen, 90 (1998) 119
Potrel, A., Peucat, J.J. and Fanning, C.M., Archean crustal evolution of the West African Craton: example of the Amsaga Area (Reguibat Rise). U–Pb and Sm–Nd evidence for crustal growth and recycling, 90 (1998) 107
Pouclet, A., *see* Doumbia, S., 87 (1998) 33
Pulvertaft, T.C.R., *see* Kalsbeek, F., 91 (1998) 383
Punzalan, L., *see* Bingen, B., 90 (1998) 159

Rex, D.C., *see* Cliff, R.A., 91 (1998) 401
Riding, R. and Sharma, M., Late Palaeoproterozoic ( 1800–1600 Ma) stromatolites, Cuddapah Basin, southern India: cyanobacterial or other bacterial microfabrics?, 92 (1998) 21
Ridley, J.R., *see* Neumayr, P., 88 (1998) 249
Rudnik, V.A., *see* Jahn, B.-M., 91 (1998) 333

Sami, T.T., *see* Whittaker, S.G., 90 (1998) 187
Schidlowski, M., *see* Toulkeridis, T., 92 (1998) 129
Scott, D.J., An overview of the U–Pb geochronology of the Paleoproterozoic Torngat Orogen, Northeastern Canada, 91 (1998) 91
Seth, B., Kröner, A., Mezger, K., Nemchin, A.A., Pidgeon, R.T. and Okrusch, M., Archaean to Neoproterozoic magmatic events in the Kaoko belt of NW Namibia and their geodynamic significance, 92 (1998) 341
Sharkov, E.V. and Smolkin, V.V., Reply, 92 (1998) 219
Sharma, M., *see* Riding, R., 92 (1998) 21
Shen, Y., Zhao, R., Chu, X. and Lei, J., The carbon and sulfur isotope signatures in the Precambrian–Cambrian transition series of the Yangtze Platform, 89 (1998) 77
Smith, J.B., Barley, M.E., Groves, D.I., Krapez, B., McNaughton, N.J., Bickle, M.J. and Chapman, H.J., The Sholl Shear Zone, West Pilbara: evidence for a domain boundary structure from integrated tectonostratigraphic analyses, SHRIMP U–Pb dating and isotopic and geochemical data of granitoids, 88 (1998) 143
Smith, P.E., *see* Hu, Q., 91 (1998) 287
Smolkin, V.V., *see* Sharkov, E.V., 92 (1998) 219
Snape, I., *see* Harley, S.L., 89 (1998) 175
Söderlund, U., *see* Wang, X.-D., 92 (1998) 319
Stein, M., *see* Kessel, R., 92 (1998) 195
Stevenson, R.K., *see* Tomlinson, K.Y., 89 (1998) 59
Stone, D., *see* Corfu, F., 92 (1998) 277
Sturt, B.A., *see* Melezhik, V.A., 92 (1998) 215
Sun, S.-s., *see* Blewett, R.S., 89 (1998) 101
Swager, C.P., *see* Occhipinti, S.A., 90 (1998) 141
Swager, C.P., *see* Pirajno, F., 90 (1998) 119
Symons, D.T.A., *see* Gala, M.G., 90 (1998) 85

Taira, A., *see* Kiyokawa, S., 88 (1998) 109
Tegyey, M., *see* Vanderhaeghe, O., 92 (1998) 165
Thiéblemont, D., *see* Vanderhaeghe, O., 92 (1998) 165
Thurston, P.C., *see* Tomlinson, K.Y., 89 (1998) 59
Todt, W., *see* Toulkeridis, T., 92 (1998) 129
Tomlinson, K.Y., Stevenson, R.K., Hughes, D.J., Hall, R.P., Thurston, P.C. and Henry, P., The Red Lake greenstone belt, Superior Province: evidence of plume-related magmatism at 3 Ga and evidence of an older enriched source, 89 (1998) 59
Toulkeridis, T., Goldstein, S.L., Clauer, N., Kröner, A., Todt, W. and Schidlowski, M., Sm–Nd, Rb–Sr and Pb–Pb dating of silicic carbonates from the early Archaean Barberton Greenstone Belt, South Africa, 92 (1998) 129
Triboulet, C., *see* Feybesse, J.L., 87 (1998) 161

Valkering, M.E., *see* Nijman, W., 88 (1998) 25
Valley, J.W., *see* King, E.M., 92 (1998) 365
van Haaften, W.M. and White, S.H., Evidence for multiphase deformation in the Archean basal Warrawoona Group in the Marble Bar area, East Pilbara, Western Australia, 88 (1998) 53
Van Kranendonk, M.J. and Collins, W.J., Timing and tectonic significance of Late Archaean, sinistral strike-slip deformation in the Central Pilbara Structural Corridor, Pilbara Craton, Western Australia, 88 (1998) 207
Vandenheuvel, B.A., *see* Newton, R.C., 91 (1998) 41
Vanderhaeghe, O., Ledru, P., Thiéblemont, D., Egal, E., Cocherie, A., Tegyey, M. and Milési, J.-P., Contrasting mechanism of crustal growth, 92 (1998) 165
Vearncombe, J.R., *see* Vearncombe, S., 88 (1998) 67
Vearncombe, S., Vearncombe, J.R. and Barley, M.E., Fault and stratigraphic controls on volcanogenic massive sulphide deposits in the Strelley Belt, Pilbara Craton, Western Australia, 88 (1998) 67
Veizer, J., *see* Misi, A., 89 (1998) 87
Vetter, U., *see* Oberthür, T., 89 (1998) 129
Vidal, M., *see* Doumbia, S., 87 (1998) 33
Vogel, D.C., Vuollo, J.I., Alapieti, T.T. and James, R.S., Tectonic, stratigraphic, and geochemical comparisons between ca. 2500–2440 Ma mafic igneous

events in the Canadian and Fennoscandian Shields, 92 (1998) 89
Vuollo, J.I., *see* Vogel, D.C., 92 (1998) 89

Wang, X.-D., Söderlund, U., Lindh, A. and Johansson, L., U–Pb and Sm–Nd dating of high-pressure granulite- and upper amphibolite facies rocks from SW Sweden, 92 (1998) 319
White, S.H., *see* Zegers, T.E., 88 (1998) 233
White, S.H., *see* van Haaften, W.M., 88 (1998) 53
Whitehouse, M.J., Kalsbeek, F. and Nutman, A.P., Crustal growth and crustal recycling in the Nagssugtoqidian orogen of West Greenland: Constraints from radiogenic isotope systematics and U–Pb zircon geochronology, 91 (1998) 365
Whitehouse, M.J. and Friend, C.R.L., Professor Stephen Moorbath, F.R.S. – a retirement tribute, 91 (1998) 229
Whittaker, S.G., Sami, T.T., Kyser, T.K. and James, N.P., Petrogenesis of 1.9 Ga limestones and dolostones and their record of Paleoproterozoic environments, 90 (1998) 187
Wijbrans, J.R., *see* Bingen, B., 90 (1998) 159
Wilde, S.A., *see* Pidgeon, R.T., 91 (1998) 309
Willigers, B.J.A., *see* Nijman, W., 88 (1998) 83
Wingate, M.T.D., Campbell, I.H., Compston, W. and Gibson, G.M., Ion microprobe U–Pb ages for Neoproterozoic basaltic magmatism in south-central Australia and implications for the breakup of Rodinia, 87 (1998) 135
Wooden, J.L., *see* Mueller, P.A., 91 (1998) 295

Yang, H., Kyser, K. and Ansdell, K., Geochemical and Nd isotopic compositions of the metasedimentary rocks in the La Ronge Domain, Trans-Hudson Orogen, Canada: implications for evolution of the domain, 92 (1998) 37
York, D., *see* Hu, Q., 91 (1998) 287

Zegers, T.E., de Keijzer, M., Passchier, C.W. and White, S.H., The Mulgandinnah Shear Zone; an Archean crustal scale strike-slip zone, eastern Pilbara, Western Australia, 88 (1998) 233
Zhao, R., *see* Shen, Y., 89 (1998) 77